



COLORADO

Office of Emergency Preparedness & Response

Department of Public Health & Environm

Print date 12/31/2014

CASE NUMBER: 2014-0798

DATE ENTERED: 12/31/2014 TIME ENTERED: 8:18

WHO TOOK REPORT: ANN NEDROW

DATE REPORTED: 12/31/2014 TIME REPORTED: 7:42:00 AM

NRC NUMBER: 1104616

CALLER: TY THOMPSON

CONFIDENTIAL: N PHONE: 303-286-3447

ORGANIZATION: METRO WASTEWATER RECLAMATION DISTRICT

STREET: 6450 YORK ST.

CITY: DENVER

COUNTY:

STATE: CO

ZIP CODE: 80229-

POTENTIALLY RESPONSIBLE PARTY METRO WASTEWATER RECLAMATION DISTRICT

PRP CONTACT: TY THOMPSON

PRP PHONE: 303-286-3447

ADDRESS: 6450 YORK ST.

EMAIL: tthompson@mwrddst.co.us

CITY: DENVER

COUNTY:

STATE: CO

ZIP CODE 80229-

EVENT DATE: 12/30/2014

EVENT TIME: 7:55:00 AM

LOCATION 6450 YORK ST.

MILE MARKER:

CITY: DENVER

COUNTY: DENVER

STATE: CO

ZIP CODE 80229-

Latitude:

Longitude:

TYPE OF MATERIAL OTHER

MATERIAL1: RE-USE CHLORINATED WATER QUANTITY1: 3000 UNIT1: GALLONS QTY TO WATER1: 1500 UNIT1: G

MATERIAL2: QUANTITY2: UNIT2: QTY TO WATER2: UNIT2:

MATERIAL3: QUANTITY3: UNIT3: QTY TO WATER3: UNIT3:

SOURCE: SS

SOURCE TYPE SANITARY SEWER/LIFT STATION

CAUSE: FAILURE EQUIPMENT

CAUSE INFORMATION: Due to the extreme cold, an underground effluent line broke, releasing perhaps 3000 gallons to the soil. Some went into a nearby storm drain that leads to their discharge point to the S. Platte River. The amount of the release is a guess, and the amount that went to the storm drain is an even bigger guess. They had difficulty isolating the break, but did so. A plug was placed in the drain at the outfall point to prevent more reaching the S. Platte River. The water has frozen on the ground.

MEDIUM IMPACTED: WATER AND LAND

☐ Fixed Facility☒ Land☐ Air☐ Groundwater☒ Surface Water

Waterway Impacted:

S. PLATTE RIVER

NUMBER OF DEATHS:

NUMBER OF INJURIES:

EVACUATION:

NUMBER EVACUATED:

ACTION TAKEN:

CDPHE NOTIFIED: WQCD: MICHELLE THIEBAUD, DAVID KURZ, KELLY JACQUES, PAUL KOSIK, ANNE MARIE GOOLSBY;

COMMENTS: Denver County EH: Bill Benerman, Gary Lasswell, Ben Siller

RESPONDERS: METRO WASTEWATER
RECLAMATION DISTRICT

RESPONDER COMMENTS:

ADDITIONAL COMMENTS:

**STATE OF
COLORADO**

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

Re: CDPHE Spills Tracking System Data Entry Form 2014-0798

1 message

Kurz - CDPHE, David <david.kurz@state.co.us>

Wed, Dec 31, 2014 at 9:54 AM

To: "Nedrow - CDPHE, Ann" <ann.nedrow@state.co.us>

Cc: "Siller, Ben A. - Environmental Quality Division" <Ben.Siller@denvergov.org>, Michelle Thiebaud - CDPHE <michelle.thiebaud@state.co.us>, Kelly Jacques - CDPHE <kelly.jacques@state.co.us>, AnneMarie Goolsby - CDPHE <annemarie.goolsby@state.co.us>, Paul Kosik - CDPHE <paul.kosik@state.co.us>, "Benerman, William W. - Environmental Quality Division" <Bill.Benerman@denvergov.org>, "Lasswell, Gary J. - Environmental Quality Division" <Gary.Lasswell@denvergov.org>, "Stasinos, Greg" <greg.stasinos@state.co.us>, Barbara Beiser - CDPHE <barbara.beiser@state.co.us>, "Troy.Arnold@state.co.us" <Troy.Arnold@state.co.us>, "Donn.Tara@epamail.epa.gov" <Donn.Tara@epamail.epa.gov>, "rrc.r8@epa.gov" <rrc.r8@epa.gov>, Bruce Holloman <bruce.holloman@state.co.us>, Cory Stark - CDPS <cory.stark@state.co.us>, "david.osborn" <david.osborn@state.co.us>, Kevin Kurelich <kevin.kurelich@state.co.us>, Paul Eller - CDPS <paul.eller@state.co.us>, Riley Frazee - CDPS <riley.frazee@state.co.us>, Trevor Denney - CDPS <trevor.denney@state.co.us>, "Vale Chuck Mr." <Chuck.Vale@state.co.us>, "Hlavacek, Brian" <bhlavace@tchd.org>, "hdalton@tchd.org" <hdalton@tchd.org>, Michele Askenazi <maskenazi@tchd.org>, "Butts, MSc. REHA., RHSP, Tom" <tbutts@tchd.org>

WQCD will followup with Metro.

David Kurz, P.E.
Lead Wastewater Engineer
Engineering Section

**COLORADO**

Water Quality Control Division

Department of Public Health & Environment

P 303.692.3552 | F 303.782.0390

4300 Cherry Creek Drive South, Denver, CO 80246

david.kurz@state.co.us | www.colorado.gov/cdphe/wqcd24-hr Environmental Release/Incident Report Line: **1.877.518.5608**On Wed, Dec 31, 2014 at 9:12 AM, Nedrow - CDPHE, Ann <ann.nedrow@state.co.us> wrote:

Hi All,

I am forwarding this to all of the Tri-County.

Ann

Ann Nedrow
Daytime Coordinator, Emergency and Incident Reporting Line
Office of Emergency Preparedness and Response

**COLORADO**Office of Emergency
Preparedness & Response

Department of Public Health & Environment

P 303.692.2709 | F 303.691.7811 |
4300 Cherry Creek Drive South, C-2, Denver, CO 80246
Ann.Nedrow@State.Co.Us | www.colorado.gov/

24-hour Colorado Emergency and Incident Reporting Line: 1-877-518-5608

On Wed, Dec 31, 2014 at 9:04 AM, Siller, Ben A. - Environmental Quality Division
<Ben.Siller@denvergov.org> wrote:

Ann,

If location is correct this is outside of Denver County. Most likely unincorporated Adams County

Ben Siller | Environmental Protection Investigator III

Department of Environmental Health / Environmental Quality Division | City and County of Denver
720.865.5441 Phone | 303.880.6083 Cell
ben.siller@denvergov.org



From: Nedrow - CDPHE, Ann [mailto:ann.nedrow@state.co.us]
Sent: Wednesday, December 31, 2014 8:42 AM
To: Michelle Thiebaud - CDPHE; David Kurz - CDPHE; Kelly Jacques - CDPHE; AnneMarie Goolsby - CDPHE; Paul Kosik - CDPHE; Benerman, William W. - Environmental Quality Division; Lasswell, Gary J. - Environmental Quality Division; Siller, Ben A. - Environmental Quality Division
Cc: Stasinos, Greg; Nedrow Ann; Barbara Beiser - CDPHE; Troy.Arnold@state.co.us; Donn.Tara@epamail.epa.gov; rrc.r8@epa.gov; Bruce Holloman; Cory Stark - CDPS; david.osborn; Kevin Kurelich; Paul Eller - CDPS; Riley Frazee - CDPS; Trevor Denney - CDPS; Vale Chuck Mr.
Subject: CDPHE Spills Tracking System Data Entry Form 2014-0798

Attached is a report for Denver County of a release of re-use chlorinated water to ground and some to a storm drain leading to the S. Platte River. The release has been stopped.

Thank you,

Ann

Ann Nedrow

Daytime Coordinator, Emergency and Incident Reporting Line

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STATE OF
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

WQCD spill report form

1 message

Kurz - CDPHE, David <david.kurz@state.co.us>

Wed, Dec 31, 2014 at 10:08 AM

To: "Thompson, Ty" <tthompson@mwr.dst.co.us>

Cc: Michelle Thiebaud - CDPHE <michelle.thiebaud@state.co.us>, Kelly Jacques <kelly.jacques@state.co.us>

Ty,

As requested, attached is the spill report form.

For reference, the number assigned is 2014-0798.

As we discussed, you can return to Michelle Thiebaud in Grand Junction.

Please let me know if you have any questions or need additional information. Thanks. David.

David Kurz, P.E.

Lead Wastewater Engineer

Engineering Section



COLORADO

Water Quality Control Division

Department of Public Health & Environment

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4300 Cherry Creek Drive South, Denver, CO 80246

david.kurz@state.co.us | www.colorado.gov/cdphe/wqcd

24-hr Environmental Release/Incident Report Line: [1.877.518.5608](tel:18775185608)



5 day Incident_Spill_SSO_Reporting Form.doc

98K

STATE OF
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

Re: CDPHE Spills Tracking System Data Entry Form 2014-0798

1 message

Kurz - CDPHE, David <david.kurz@state.co.us>

Wed, Dec 31, 2014 at 10:17 AM

To: Michelle Thiebaud - CDPHE <michelle.thiebaud@state.co.us>

Cc: Kelly Jacques - CDPHE <kelly.jacques@state.co.us>, AnneMarie Goolsby - CDPHE

<annemarie.goolsby@state.co.us>, Paul Kosik - CDPHE <paul.kosik@state.co.us>, "Hlavacek, Brian"

<bhlavace@tchd.org>, "hdalton@tchd.org" <hdalton@tchd.org>, Michele Askenazi <maskenazi@tchd.org>, "Butts, MSc. REHA., RHSP, Tom" <tbutts@tchd.org>

I spoke with Ty. The leak was in a buried pipeline for plant water (chlorinated effluent) and thought to be due to cold weather impacts at a joint or valve. The leak was bubbling up from the ground when identified yesterday morning (Tuesday December 30). Flow was stopped by mid-day and a bypass was set up. The storm water line joins the effluent channel to the river. They plugged the storm drain during the response. Estimate of the total spill is 3,000 gallons and estimate to the storm drain and river is half or more of the total.

Ty will complete and submit the 5-day report for our record.

Please let me know if anyone needs additional information. Thanks. David.

David Kurz, P.E.

Lead Wastewater Engineer

Engineering Section

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4300 Cherry Creek Drive South, Denver, CO 80246

david.kurz@state.co.us | www.colorado.gov/cdphe/wqcd24-hr Environmental Release/Incident Report Line: [1.877.518.5608](tel:18775185608)On Wed, Dec 31, 2014 at 9:12 AM, Nedrow - CDPHE, Ann <ann.nedrow@state.co.us> wrote:

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On Wed, Dec 31, 2014 at 9:04 AM, Siller, Ben A. - Environmental Quality Division
<Ben.Siller@denvergov.org> wrote:

Ann,

If location is correct this is outside of Denver County. Most likely unincorporated Adams County

Ben Siller | Environmental Protection Investigator III

Department of Environmental Health / Environmental Quality Division | City and County of Denver
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From: Nedrow - CDPHE, Ann [mailto:ann.nedrow@state.co.us]

Sent: Wednesday, December 31, 2014 8:42 AM

To: Michelle Thiebaud - CDPHE; David Kurz - CDPHE; Kelly Jacques - CDPHE; AnneMarie Goolsby - CDPHE; Paul Kosik - CDPHE; Benerman, William W. - Environmental Quality Division; Lasswell, Gary J. - Environmental Quality Division; Siller, Ben A. - Environmental Quality Division

Cc: Stasinos, Greg; Nedrow Ann; Barbara Beiser - CDPHE; Troy.Arnold@state.co.us; Donn.Tara@epamail.epa.gov; rrc.r8@epa.gov; Bruce Holloman; Cory Stark - CDPS; david.osborn; Kevin Kurelich; Paul Eller - CDPS; Riley Frazee - CDPS; Trevor Denney - CDPS; Vale Chuck Mr.

Subject: CDPHE Spills Tracking System Data Entry Form 2014-0798

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Thank you,

Ann

Ann Nedrow

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Ann.Nedrow@State.Co.Us | www.colorado.gov/

24-hour Colorado Emergency and Incident Reporting Line: [1-877-518-5608](tel:1-877-518-5608)



STATE OF
COLORADO

Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us>

Re: Metro Wastewater Reclamation District Incident Number 2014-0798

1 message

Kurz - CDPHE, David <david.kurz@state.co.us>

Tue, Jan 6, 2015 at 3:50 PM

To: "Thiebaud - CDPHE, Michelle" <michelle.thiebaud@state.co.us>

Looks good. Thanks.

Once you are done, then I need to go in and click, correct?

David Kurz, P.E.

Lead Wastewater Engineer

Engineering Section



COLORADO

Water Quality Control Division

Department of Public Health & Environment

P 303.692.3552 | F 303.782.0390

4300 Cherry Creek Drive South, Denver, CO 80246

david.kurz@state.co.us | www.colorado.gov/cdphe/wqcd

24-hr Environmental Release/Incident Report Line: [1.877.518.5608](tel:18775185608)

On Tue, Jan 6, 2015 at 3:36 PM, Thiebaud - CDPHE, Michelle <michelle.thiebaud@state.co.us> wrote:

For your review. Let me know if we can close and provide me with resolution comments, if appropriate. Thanks.

----- Forwarded message -----

From: **Thompson, Ty** <tthompson@mwr.d.dst.co.us>

Date: Tue, Jan 6, 2015 at 2:50 PM

Subject: Metro Wastewater Reclamation District Incident Number 2014-0798

To: "michelle.thiebaud@state.co.us" <michelle.thiebaud@state.co.us>

Cc: "Pfeifer, Theresa" <tpfeifer@mwr.d.dst.co.us>, "Thomas, Robert" <RThomas@mwr.d.dst.co.us>

Good Afternoon,

Attached is a copy of the Metro Wastewater Reclamation District's Five (5) Day Reporting Form for Incident Number 2014-0798. Please let me know if you have any questions or have problems with the attachment. A hard copy of the form is also being delivered via USPS.

Thank you,

Ty Thompson

Regulatory Compliance Specialist

Metro Wastewater Reclamation District**6450 York Street****Denver, CO 80229****Office: (303) 286-3447****Email: tthompson@mwrddst.co.us**

--

Michelle Thiebaud**Program Assistant**

Field Services Section, Water Quality Control Division

**COLORADO**

Water Quality Control Division

Department of Public Health & Environment

(970) 248-7150

Colorado Department of Public Health and Environment

222 South 6th Street, Room 232 Grand Junction, CO 81501

michelle.thiebaud@state.co.us | www.colorado.gov/pacific/cdphe24-hour Environmental Release/Incident Reporting Line: **1-800-877-5186**

<input checked="" type="checkbox"/> Field Services - Grand Junction 222 South 6th Street, Room 232 Grand Junction, CO 81501 Telephone: 970-248-7150 Fax: 970-248-7198 Contact email: michelle.thiebaud@state.co.us	<input type="checkbox"/> Field Services - Pueblo 140 Central Main, Suite 300 Pueblo, CO 81003 Telephone: 719-295-5060 Fax: 719-543-8441 Contact email: carol.keever@state.co.us	<input type="checkbox"/> Field Services - Denver 4300 Cherry Creek Dr. South, B2 Denver, Colorado 80246-1530 Phone: 303-692-3650 Fax: 303-782-0390 Contact email: annemarie.goolsby@state.co.us
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Reporting Form: Incident / Spill / Sanitary Sewer Overflow (SSO)

The Water Quality Control Division distinguishes between reporting requirements for spills that occur with respect to activities that result in a discharge that is authorized under a CDPS permit and those that are not. Reporting and management of spills that occur with respect to activities resulting in a discharge authorized under a permit should be performed in accordance with the specific requirements of that permit. If the permit does not require a 5-day report, please provide the information below in writing. For non-permitted activities, or in the case of an activity where a permit does not address reporting of or response to a given spill, please submit this written response to the Water Quality Control Division within five (5) working days of the date of the event. If sufficient space is not provided, please attach other sheets. Please send the completed form with signature via fax or email to the Division's Field Services office indicated above. If you have any questions please contact the Division's Field Services Engineer at your earliest convenience. The Field Services County list is available at: <http://www.colorado.gov/cdphe/wqcd> (Contacts, Inspection services contacts, then Field services contacts).

Prior to the five (5) working day deadline, you may request an extension to submit the report if sample analyses justifiably are going to require more time to analyze than the reporting time allows. To request an extension please send an email to the Division's Field Services Engineer for the County that the incident / spill / SSO took place or to the email listed above.

Incident Background Information			
County	Adams		
Incident / Spill Number (Division provided) and Spill Date	2014-0798 12/30/2014		
Type of Incident / Spill / SSO (check one)	<input type="checkbox"/> Sanitary Sewer Overflow/Reuse <input type="checkbox"/> WW Treatment Plant Bypass or Upset (through an authorized outfall point) <input type="checkbox"/> Unplanned potable water release (e.g., water line break)	<input type="checkbox"/> Petroleum Product <input type="checkbox"/> Combined Sewer Overflow	<input type="checkbox"/> Chemical <input type="checkbox"/> Biosolids <input checked="" type="checkbox"/> Other
Contact Information			
Potentially Responsible Party (PRP): Contact Name	Theresa Pfeifer	Potentially Responsible Party (PRP): Company / Agency	Metro Wastewater Reclamation District
PRP Phone / Fax	Phone: (303) 286-3340 Fax: (303) 286-3035	PRP email address	tpfeifer@mwrdd.dst.co.us
CDPS Permit Number:	CO0026638	CDPS Permittee Name:	Metro Wastewater Reclamation District
Reported by (if not PRP): Contact Name	Ty Thompson	Reported by (if not PRP): Company / Agency	Metro Wastewater Reclamation District
Reported by (if not PRP): Phone / Fax	Phone: (303) 286-3447 Fax: (303) 286-3035	Reported by (if not PRP): email address	tthompson@mwrdd.dst.co.us

Incident Information: Please provide the following information.

A	Incident / spill / SSO source, cause, and event description. Response: At approximately 8:30 am on December 30, 2014, Metro District personnel observed water flowing from the ground east of the three-way intersection just southeast of the Technical Services Building (TSB). The flow was attributed to a 12-inch Plant Water Chlorinated (PWC) line fracture. PWC is wastewater that has been fully treated and chlorinated, but not dechlorinated, and is used for irrigation purposes and as service water to support wastewater treatment processes throughout the Robert W. Hite Treatment Facility (RWHTF). The PWC line was isolated at approximately 10:30 am and the flow stopped at approximately 12:15 pm on December 30. At approximately 1:15 pm, plant staff noticed water leaking from the original leak location. An investigation determined the PWC loop had not been fully isolated. This was accomplished by 1:30 pm and flow stopped at 1:45 pm. The cause of the pipe fracture was due to aging piping and extreme cold weather. There was no impact to groundwater, human health, or the environment.
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B	<p>Material released (e.g., untreated wastewater, biosolids, specific chemicals or products) and estimated total quantity (e.g., gallons). Please attach MSDS for any and all chemicals or products involved in spill or release.</p> <p>Response: Approximately 1,500 gallons of PWC entered the stormwater system where it commingled with the Metro District's north final effluent and discharged to the South Platte River, and approximately 1,500 gallons partially absorbed into the soil in the vicinity of the leak.</p>
C	<p>Actual or estimated dates and times of the event, including duration and actual date and time spill was fully controlled/stopped. If release is still occurring, the date and time the release is expected to be stopped.</p> <p>Response: December 30, 2014, from approximately 8:30 am to 12:15 pm and from approximately 1:15 pm to 1:45 pm, an estimated 3,000 gallons of PWC leaked from the line before it was isolated. The PWC leak was fully controlled and the leak stopped by approximately 1:45 pm on December 30, 2014.</p>
D	<p>Location of release (e.g., address, lat/long, road name and mile marker).</p> <p>Response: Metro Wastewater Reclamation District Robert W. Hite Treatment Facility located at 6450 York Street, Denver, CO.</p>
E	<p>Describe measures taken or planned to contain, reduce, and clean up spill or release.</p> <p>Response: A plug was placed in the storm sewer impacted by the leak to stop the PWC that was reaching the stormwater system discharge point located in the north effluent channel. Because the ruptured PWC line has been fully isolated, this plug will be removed on January 6, 2014, to accommodate any melting snow in that area. Excavation and repair of the damaged PWC line will commence when weather conditions improve and safe working conditions exist. The PWC line will remain isolated until permanent repairs are made.</p>
F	<p>Steps taken or planned to prevent reoccurrence of the event.</p> <p>Response: The Metro District currently has a project in progress to make improvements to the PWC system to increase reliability and performance. An evaluation of the PWC infrastructure will be added to that project and additional isolation valves will be installed to reduce vulnerability and improve isolation capabilities.</p>
<p>Incident Impact to State Waters (As defined in § 25-8-103(19), C.R.S.). <i>Examples of State waters include: perennial streams, intermittent or ephemeral gulches, ditches, ponds, lakes, reservoirs, irrigation canals, wetlands, stormwater conveyances (when they discharge to surface water), and groundwater.</i></p>	
G	<p>Did flow or materials reach surface waters of the State? If so, please describe the path of flow to State waters and which State water body was impacted (e.g., spill impacted a storm drain which was directly connected to Cherry Creek, Colorado River, etc.). If yes, what quantity of material (e.g., gallons) reached the surface water and what was the resulting impact?</p> <p>Response: Yes. The Metro District estimates approximately 1,500 gallons of PWC reached the District's storm sewer system, which in this part of the facility discharges into the north final effluent channel just upstream of the District's discharge point into the South Platte River. The 1,500 gallons of PWC commingled with approximately 1 to 4 million gallons of treated and dechlorinated wastewater where the chlorine would have been consumed prior to discharge to the River. Process control data showed a consistent sulfite residual or an excess of dechlorination chemical available in the north final effluent during this time that would consume the chlorine in the PWC. In addition, Total Residual Chlorine (TRC) samples collected during this time for permit compliance indicate no chlorine residuals to the River. There was no impact to surface water, human health, or the environment.</p>
H	<p>Were any water quality samples or other samples taken? If so, please describe sampling process and attached results.</p> <p>Response: TRC samples collected during this time for permit compliance indicate no chlorine residuals to the South Platte River. The TRC concentration of PWC is approximately 0.4 mg/L, which is below the limit contained in the Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Commission (WQCC) Regulation 62 (effluent limitations) of 0.5 mg/L. CDPHE WQCC Regulation 41, the basic standards for groundwater, does not contain a TRC limit.</p>
I	<p>Did flow or materials reach groundwater of the State? If so, please describe the path of flow to State waters and which State water body impacted (e.g., spill soaked into ground and wet soil was not excavated). If yes, what quantity of material (e.g., gallons) reached the ground or groundwater and what was the resulting impact?</p> <p>Response: The Metro District estimates that 1,500 gallons of PWC was absorbed by the soil and could potentially reach groundwater. There was no impact to the groundwater, human health, or the environment.</p>

J	Did the incident include any of the following (check if yes)? If so, please include additional details below.
	<input type="checkbox"/> Toxic Chemical Release <input type="checkbox"/> Fish Kill
	Response: N/A

Incident Impact to Areas or Water Users

K	Did the incident / spill / SSO impact any areas (e.g., public use areas including parks or swim beaches) or downstream water users (e.g., public water suppliers, irrigation diversions)? Please list impacted areas and/or users, their location, and potential impacts.
	Response: No

L	How were the impacted area users (e.g., park patrons) and downstream water users notified (e.g., signs posted, list downstream users contact via phone).
	Response: N/A

I hereby certify that the information presented above is accurate and complete.

Date	Company	Typed Name and Title	Signature
January 6, 2015	Metro Wastewater Reclamation District	Catherine R. Gerali, District Manager	